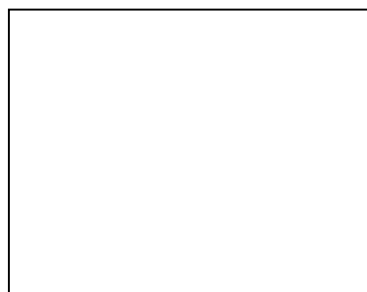


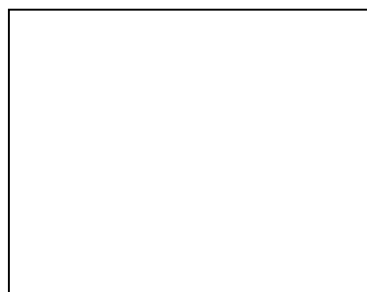
Name_____

Let's Explore Motion

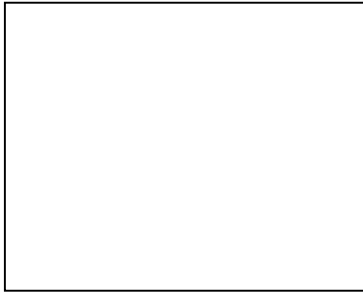
Today you will investigate forces. Forces can push, pull, speed up, slow down, or change direction of objects. Go with your group to the swings. One person sits on the swings. (Call that person the “mass.”) Another person makes these things happen. Draw an arrow to show the force.



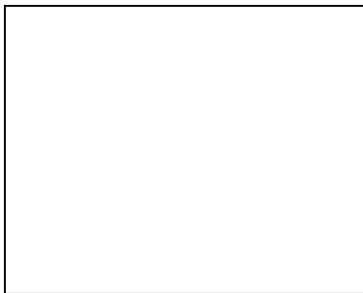
Start moving



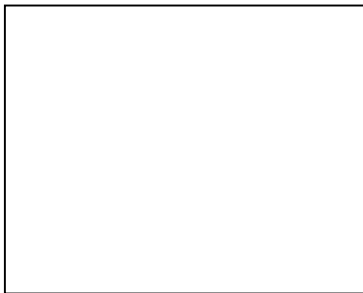
Stop moving



Speed up



Slow down



Change direction

1. What is a force? _____
2. What can a force do? _____

3. a. When you blow hard, did the cotton ball move? _____

b. How do you know? _____

4. Blow softly through the coffee stirrer at the cotton ball.
a. When you blow softly, did the cotton ball move? _____

b. How do you know? _____

5. Why did the cotton ball begin to move? _____

6. What kept the cotton ball moving? _____

7. How could you make the cotton ball go a greater distance? Think and try three different ways. _____

8. After the class discussion, identify what is needed to make an object move. _____

9. After the class discussion, summarize how you know something moves. _____

A Picture Challenge: Use an arrow to show the direction of the force on a person.

